COMPACT DISC PLAYER

DP-5060

SERVICE MANUAL

KENWOOD

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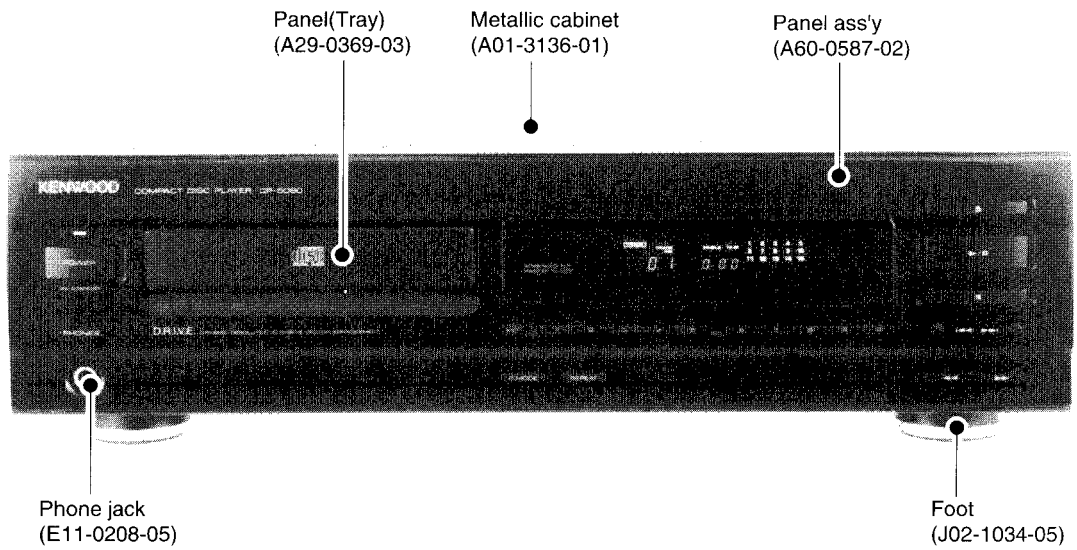
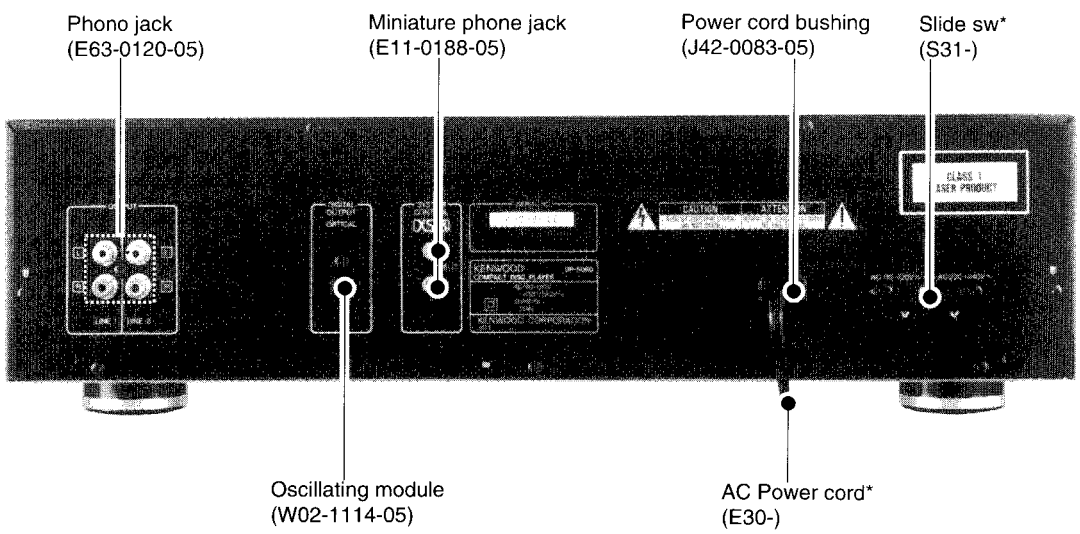
B51-4946-00 (K) 2454





In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD -Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040. 10, Chapter 1, Subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM

***Refer to parts list on page 22**

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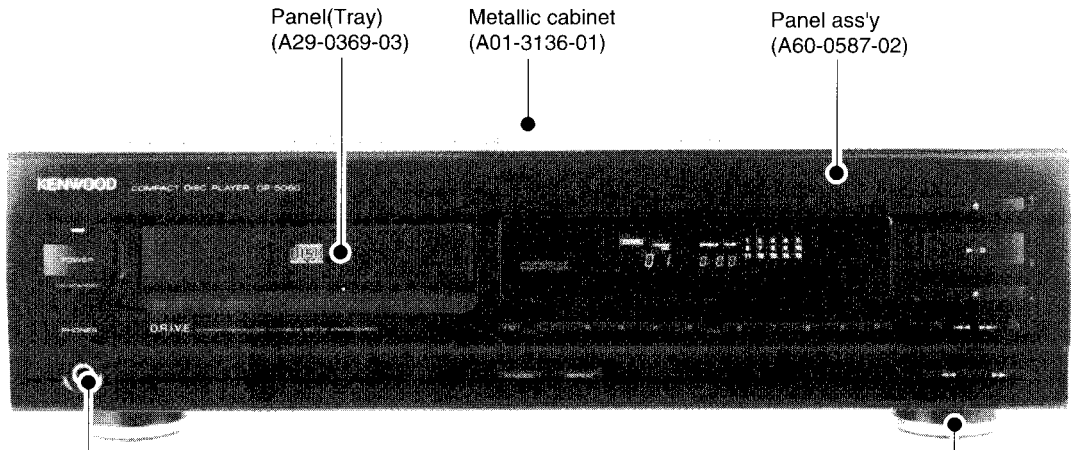

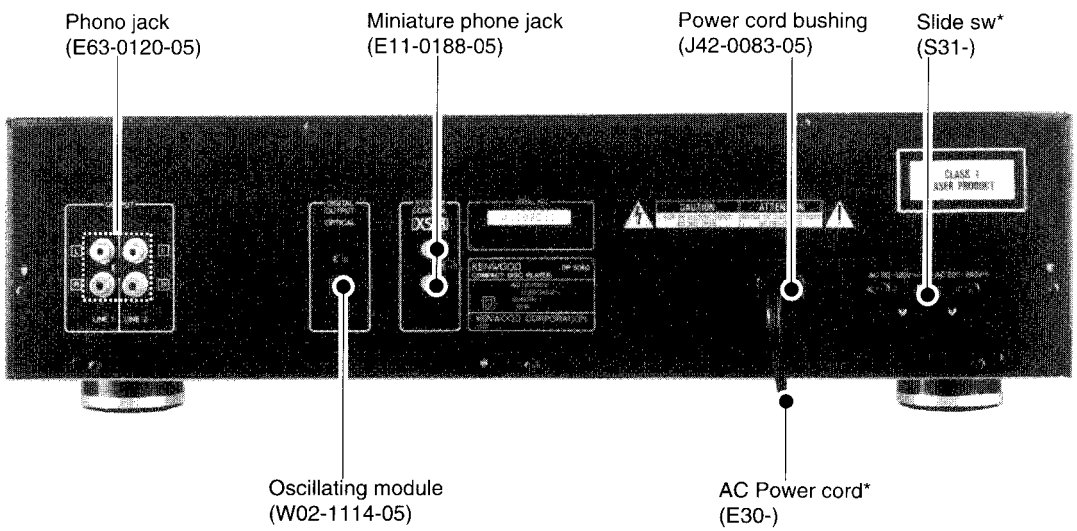

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***Refer to parts list on page 22**

DP-5060

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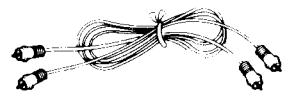
NOTE : Refer to DP-7060 service manual (B51-4938-00) if you want to know more information of semiconductor description.

ACCESSORIES

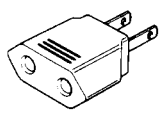
- Remote control unit 1 (A70-0980-05)
- Battery cover (A09-0170-08)

- Audio cord 1 (E30-0505-05)



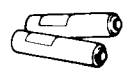
- System control cord 1 (E30-2733-05)

- AC plug adaptor (M type only) 1 (E03-0115-05)



(Except for some areas.)
For the unit with European AC plug in areas other than Europe.

- Batteries ("R3/AAA") ..... 2 (–)

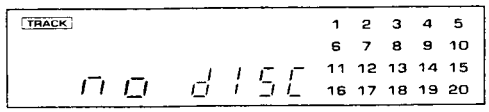


CAUTION

Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

1. **Turn the power ON but do not load a disc.**
2. **Wait a few seconds and verify that the display shown appears.**
3. **Turn the power OFF.**



Beware of condensation

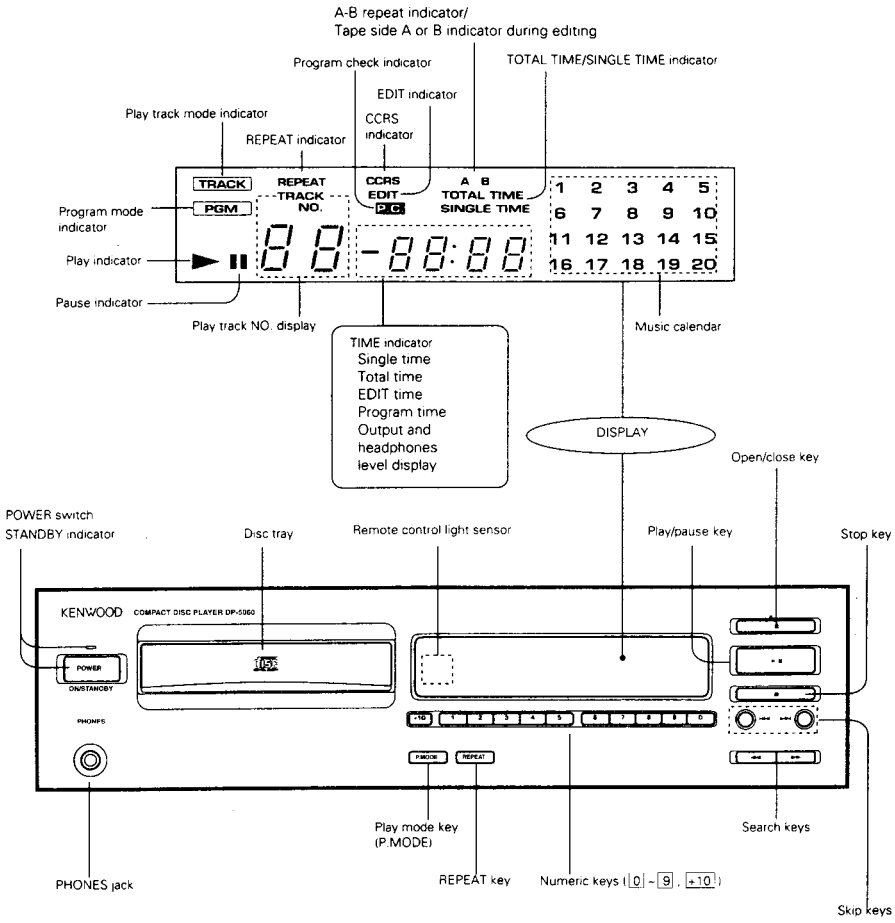
When water vapor comes into contact with the surface of cold material, water drops are produced. If condensation occurs, correct operation may not be possible, or the unit may not function correctly. This is not a malfunction, however, the unit should be dried. (To do this, turn the POWER switch ON and leave the unit as it is for several hours.)

Be especially careful in the following conditions:

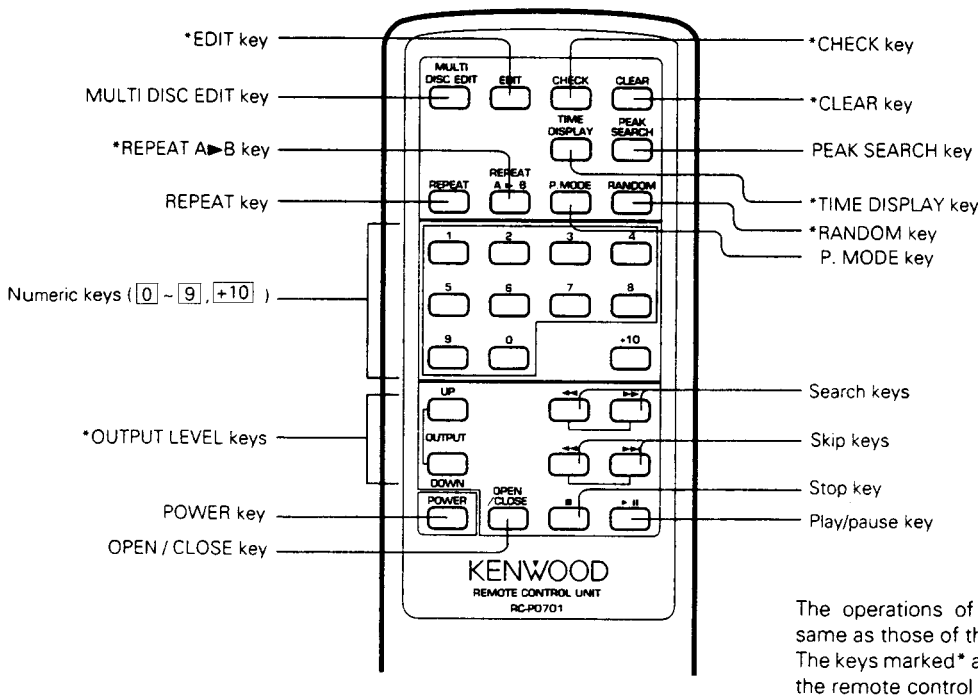
- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air - conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

CONTROL

UNIT PANEL



REMOTE CONTROLLER



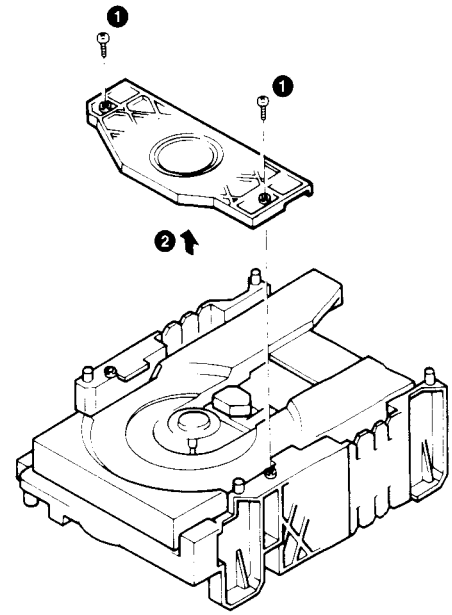
The operations of each key are the same as those of the keys on the unit. The keys marked* are provided only on the remote control unit.

DP-5060

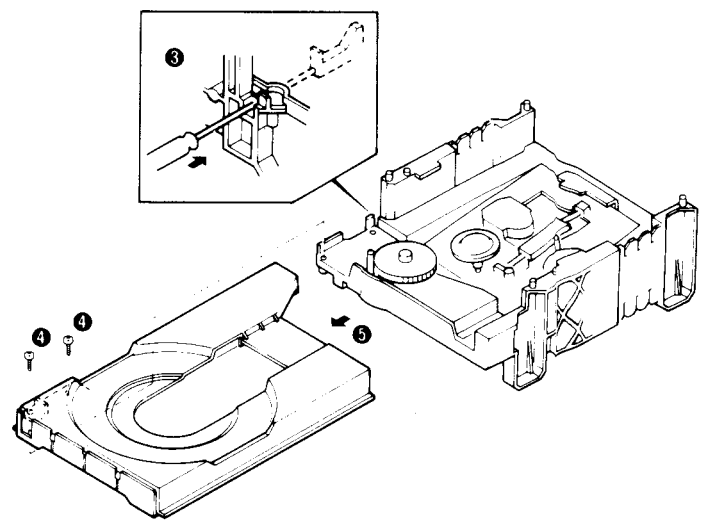
DISASSEMBLY FOR REPAIR

1. How to Remove Tray

1. Remove 2 screws (❶).
2. Remove clamper ass'y (❷).

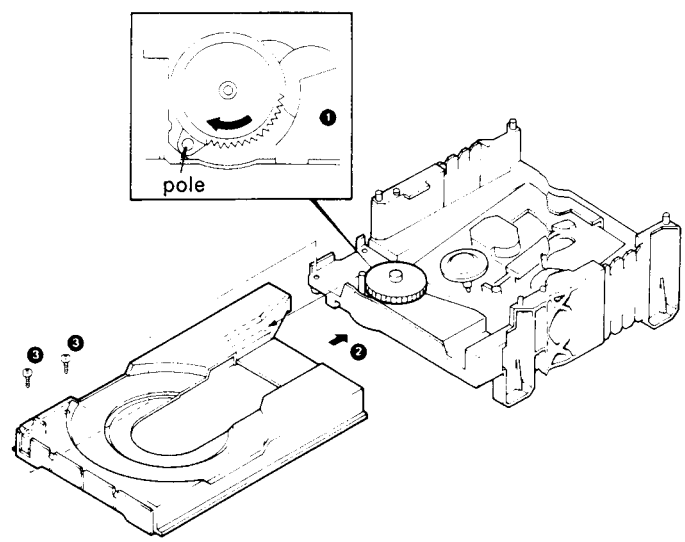


3. Insert the driver to left-side hole of mechanism ass'y and push the slider (❸).
4. Remove 2 screws (❹).
5. Tray can be pulled out (❺).



2. How to Mount Tray

1. Set the pole to fully clockwise (❶).
2. Insert the tray to both-side guide on chassis (❷).
3. Fix 2 screws (❸).

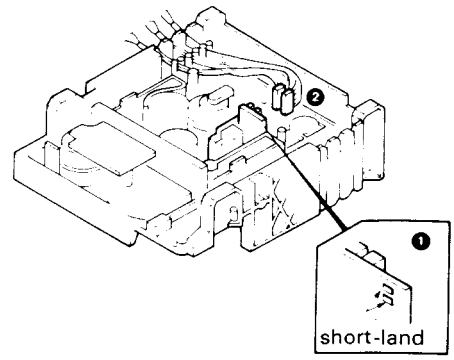


DISASSEMBLY FOR REPAIR

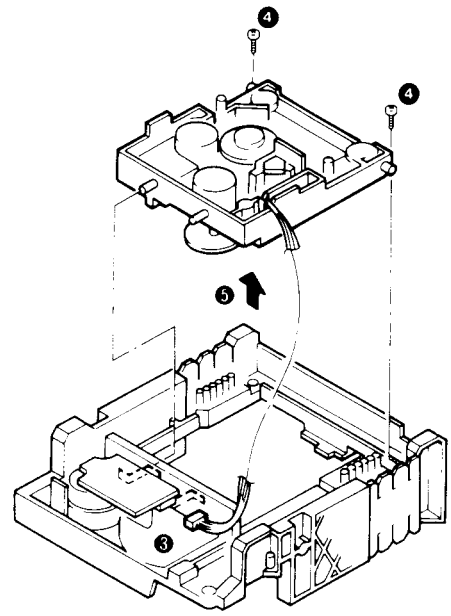
3. How to Replace the Pickup

Short the short-land of the pickup before the following procedures (❶).

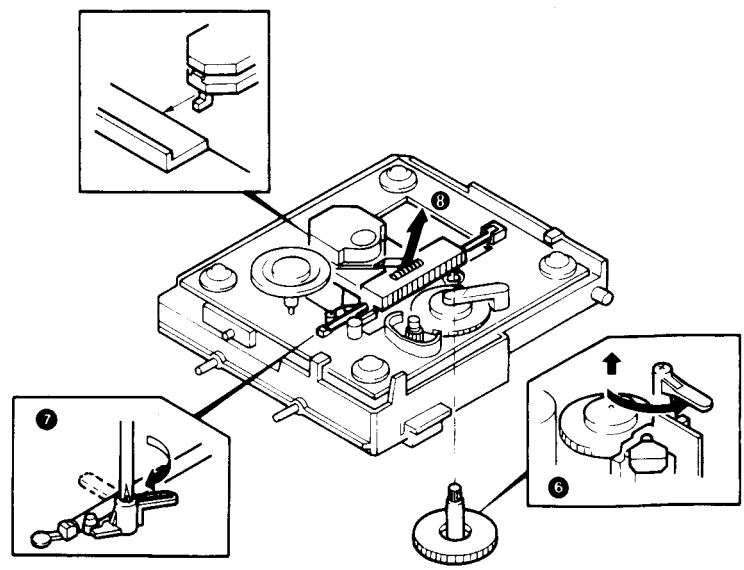
1. Remove 2 connectors (❷).



2. Remove the connector (❸).
3. Remove 2 screws (❹).
4. Remove the mechanism drive (MD) ass'y (❺).



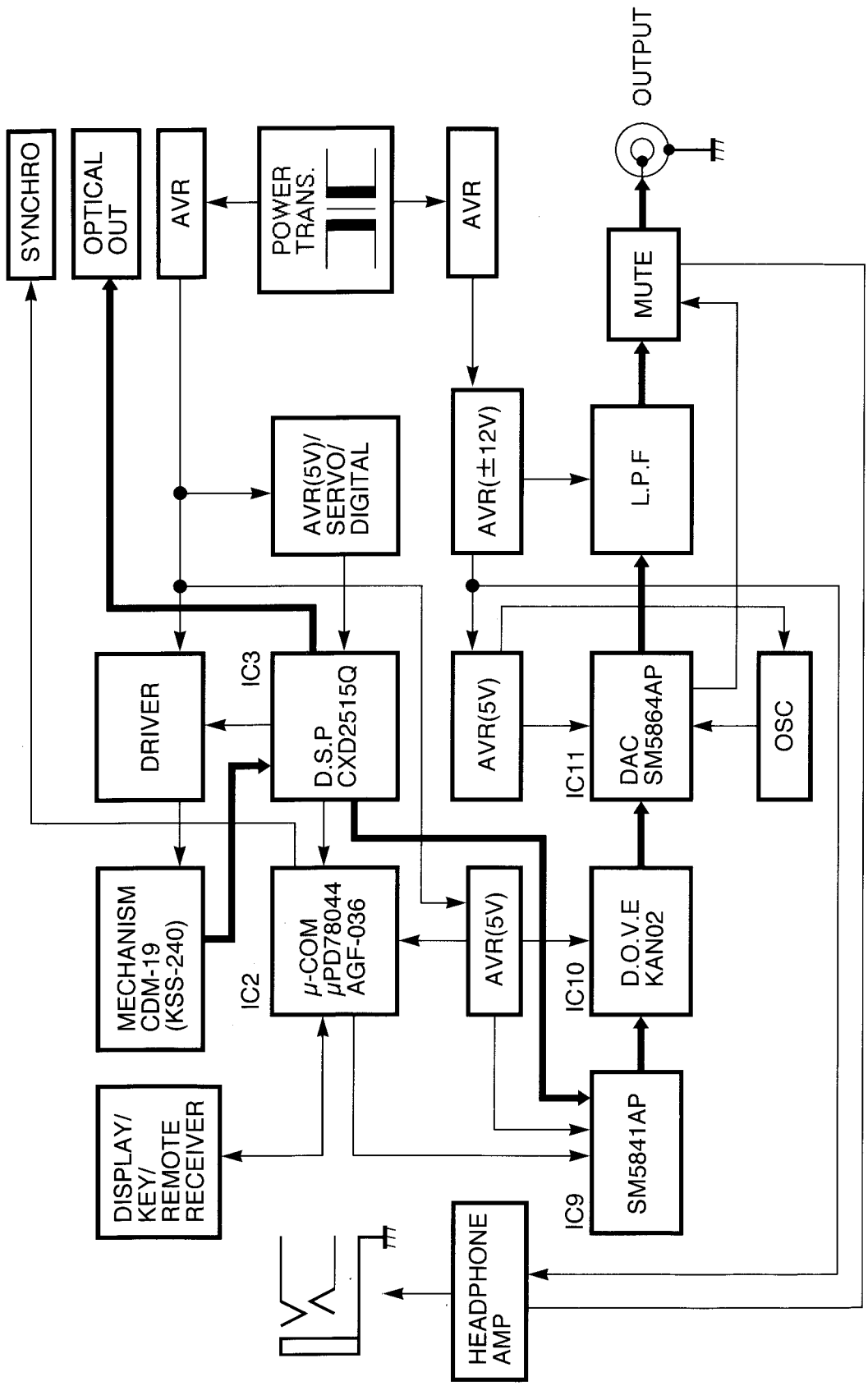
5. Remove stopper and gear (❻).
6. Remove rod stopper (❼).
7. Remove the pickup ass'y (❽).



Note : When mounting the pickup, in the reverse order of disassembly. Unsolder the short land after connecting the flexible wire.

DP-5060

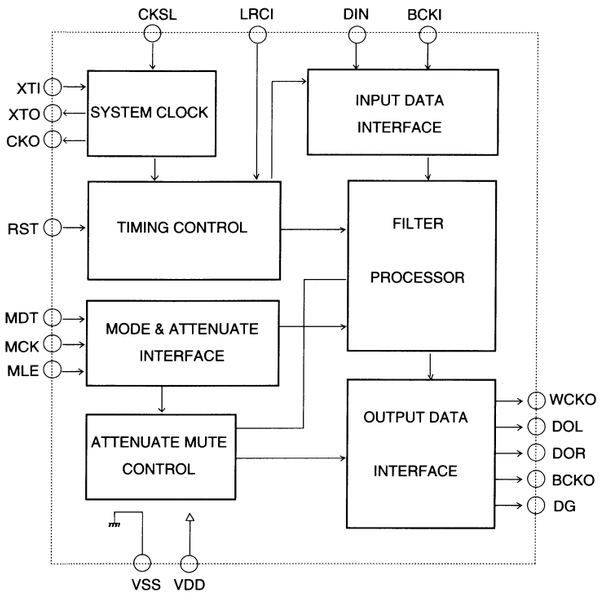
BLOCK DIAGRAM



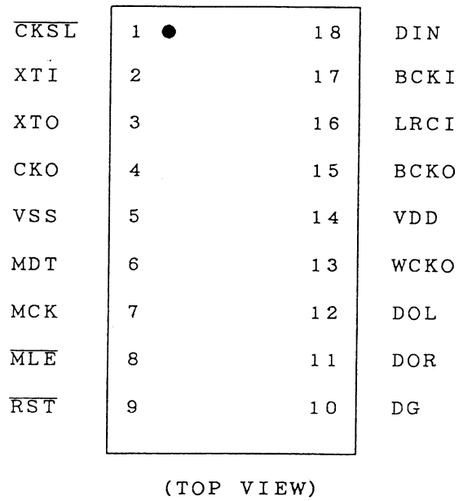
CIRCUIT DESCRIPTION

1. 4 TIMES / 8 TIMES OVER SAMPLING DIGITAL FILTER : SM5841AP(IC9)

1-1. Block Diagram



1-2. Pin Connection



1-3. Pin function

Pin no.	pin name	I/O	Function
1	/CKSL	IP	Oscillation and input freq. select H = 384 fs/L = 256 fs
2	XTI	I	Oscillation input
3	XTO	O	Oscillation output
4	CKO	O	Output clock
5	Vss	-	GND
6	MDT	IP	Data mode set
7	MCK	IP	Clock mode set
8	/MLE	IP	Latch in able mode set
9	/RST	IP	System reset
10	DG	O	Deglitcher output
11	DOR	O	8fs parallel data = R - ch/4fs serial data = LR clock
12	DOL	O	8fs parallel data = L - ch data/4fs serial data = L - ch/R - ch data
13	WCKO	O	Output word clock
14	Vdd	-	Power supply (5V)
15	BCKO	O	Output bit clock
16	LRCI	IP	Input data sample rate(fs) clock
17	BCKI	IP	Input bit clock
18	DIN	IP	Input data

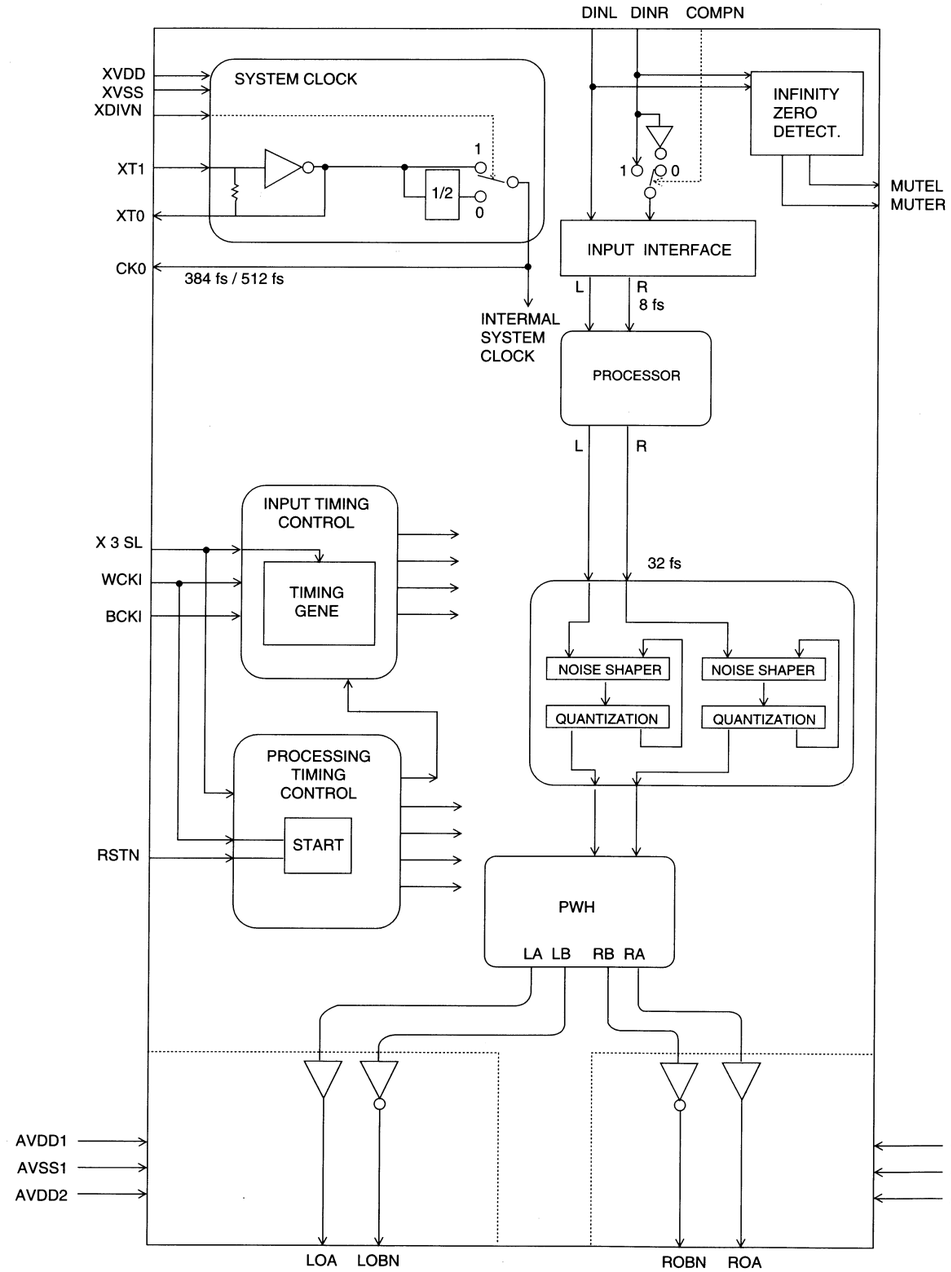
Ip = input pin with pull-up resistor

DP-5060

CIRCUIT DESCRIPTION

2. DA converter : SM5864AP(IC11)

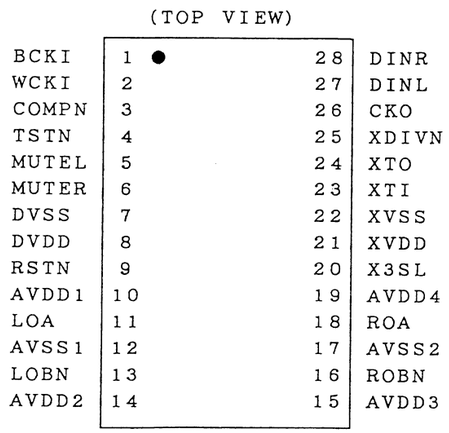
2-1. Block Diagram



CIRCUIT DESCRIPTION

2-2 Pin connection

(TOP VIEW)



2-3 Pin function

Pin no.	pin name	I/O	Function
1	BCKI	IP	Serial data bit clock (data read when positive going edge.)
2	WCKI	IP	Input data word clock(word read when positive going edge.)
3	COMPN	IP	PWM output selector H = normal/ L = revers of R-ch
4	TSTN	IP	TEST pin
5	MUTEL	O	L-ch mute output
6	MUTER	O	R-ch mute output
7	DVss	-	Digital GND
8	DVdd	-	Digital power supply (5V)
9	RSTN	IP	Reset input
10	AVdd1	-	Analog power supply (5V)
11	LOA	O	Data output (PWM output) L-ch normal-phase
12	AXss1	-	Analog GND
13	LOBN	O	Data output (PWM output) L-ch anti-phase
14,15	AVdd2,3	-	Analog power supply (5V)
16	ROBN	O	Data output (PWM output) R-ch anti-phase
17	AXss2	-	Analog GND
18	ROA	O	Data output (PWM output)R-ch normal-phase
19	AVdd4	-	Analog power supply (5V)
20	X3SL	IP	Clock freq. selector (refer #25 pin)
21	XVdd	-	Clock power supply (5V)
22	XVss	-	Clock GND
23	XTI	I	Clock input pin
24	XTO	O	Crystal connection
25	XDIVN	IP	
			384fs 768fs 512fs 1024fs
			X3SL H H L L
			XDIVN H L H L
			CKO 384fs 384fs 512fs 512fs
26	CKO	O	Clock output
27	DINL	IP	L-ch serial data output
28	DINR	IP	R-ch serial data output

Pip=pull-up level connection

DP-5060

ADJUSTMENT

Test Mode

Setting the test mode

This microprocessor built this unit can be put to TEST MODE by just short-circuiting the test pins (#1 and #2) of main unit.

Key and functions valid in test mode

N0.	Input key	Function	Track No. display
1	PLAY/PAUSE (►/II)	(1)Focusing servo .....ON (2) Tracking servo .....ON (3) Feed servo.....ON	TRACK NO. 05 ↓ Displayed for a few seconds after completion (1), (2) and (3). ↓ Time. (Play mark), and Disc Track No. are displayed.
2	STOP (■)	(1) Focusing servo .....OFF (2) Tracking servo .....OFF (3) Feed servo.....OFF	*See below
3	UP (►►I)	Turns all FL display lamps ON.	TRACK NO. 88
4	DOWN (I◄◄)	Turns all FL display lamps OFF.	TRACK NO. 88 TRACK NO. is lighted.

*TRACK NO.

ADJUSTMENT-FREE

This device(CXD2515) has AVERAGE and AUTO GAIN CONTROL circuitry in its as DP-5060 is adjustment-free.

Please confirm the self-check value on display as follows and dc voltage in schematic diagram before replacing pickup.

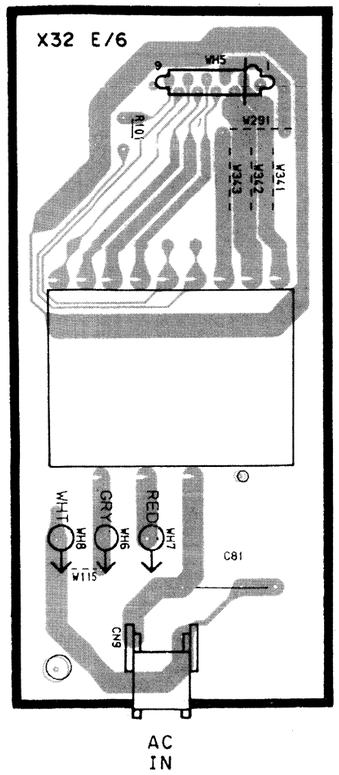
SELF-CHECK VALUE TABLE

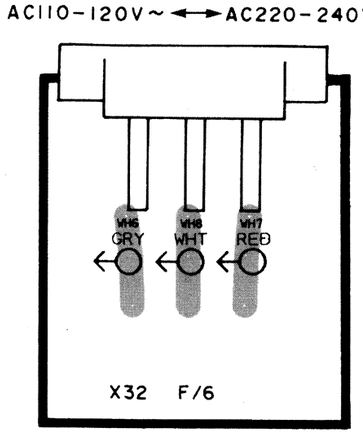
	DISPLAY VALUE
FOCUS GAIN (FG)	18<FG<57
TRACKING GAIN (TG)	19<TG<68
CENTER VOLTAGE (VC)	25<VC<75
FOCUS ERROR BALANCE (FE)	25<FE<75
RATIO FREQUENCY (RF)	57<RF<66

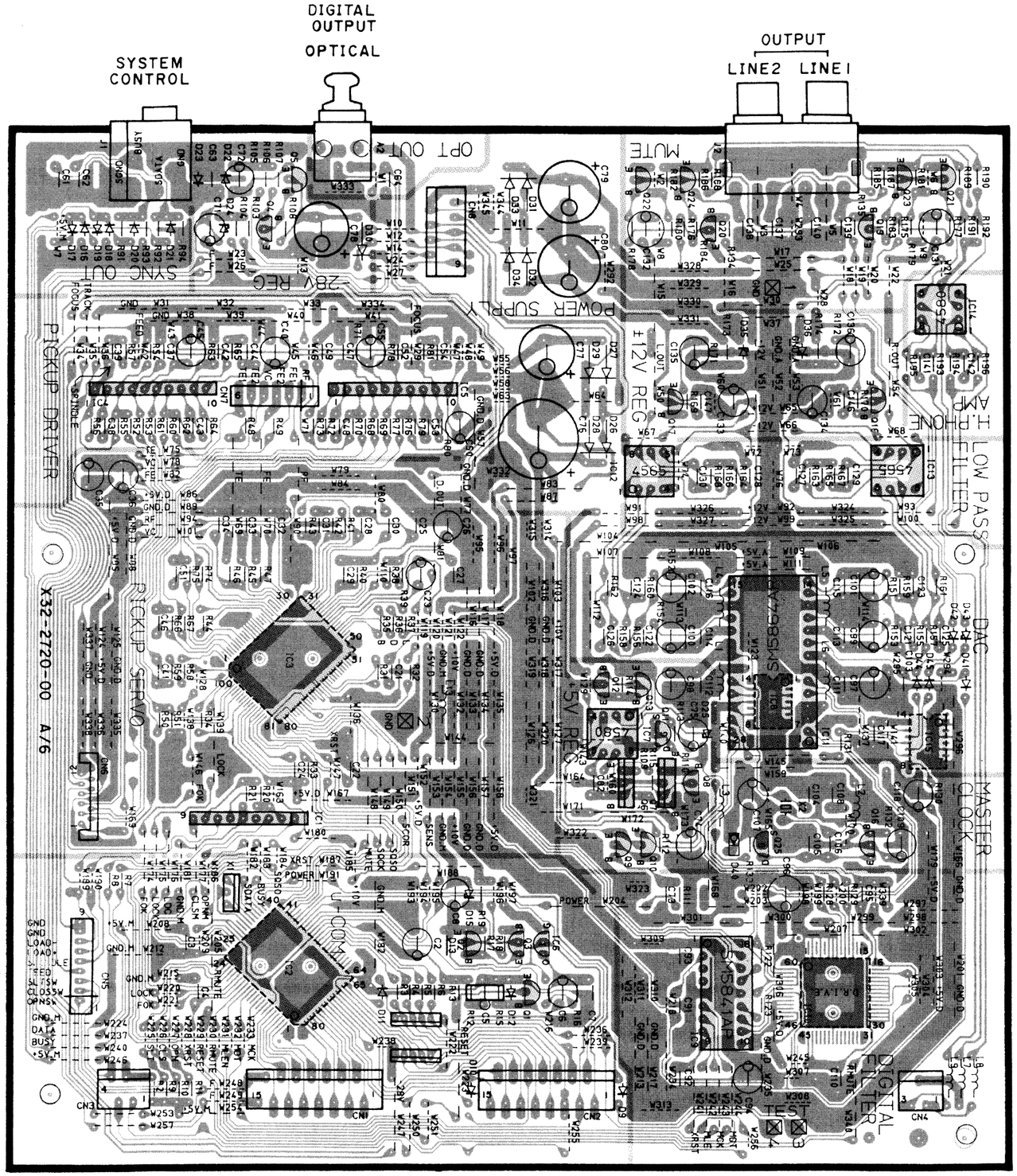
These value is by test disk KTD-02, YEDS-18, and TCD781.

PGM in the display is blink if not adjust. Please check circuit.

PC BOARD (COMPONENT SIDE VIEW)





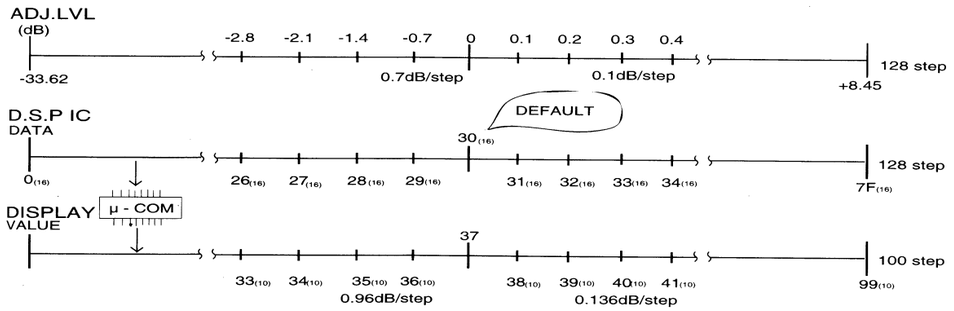


Refer to the schematic diagram for the value of resistors and capacitors.

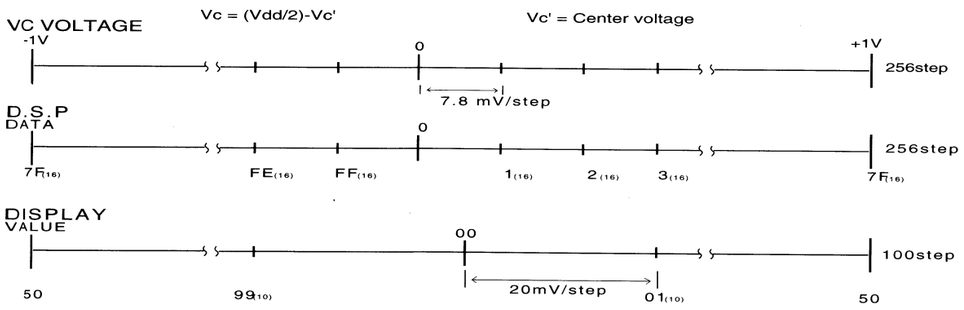
ADJUSTMENT

SELF-CHECK VALUE DISPLAY PROCESS

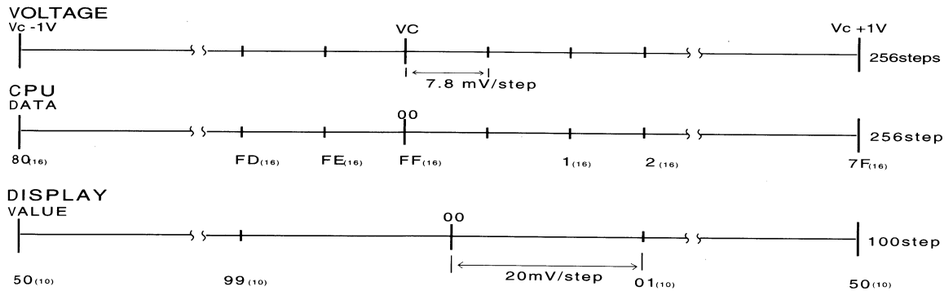
① FG/TG



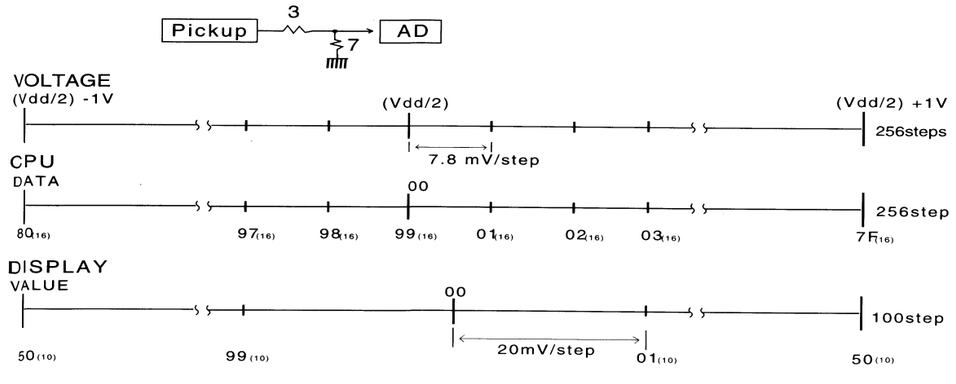
② VC



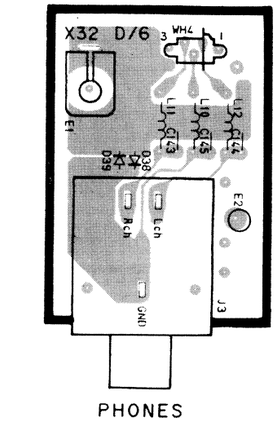
③ FE

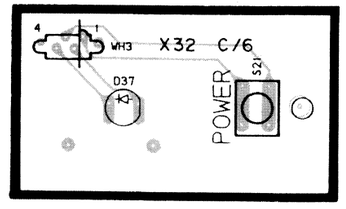


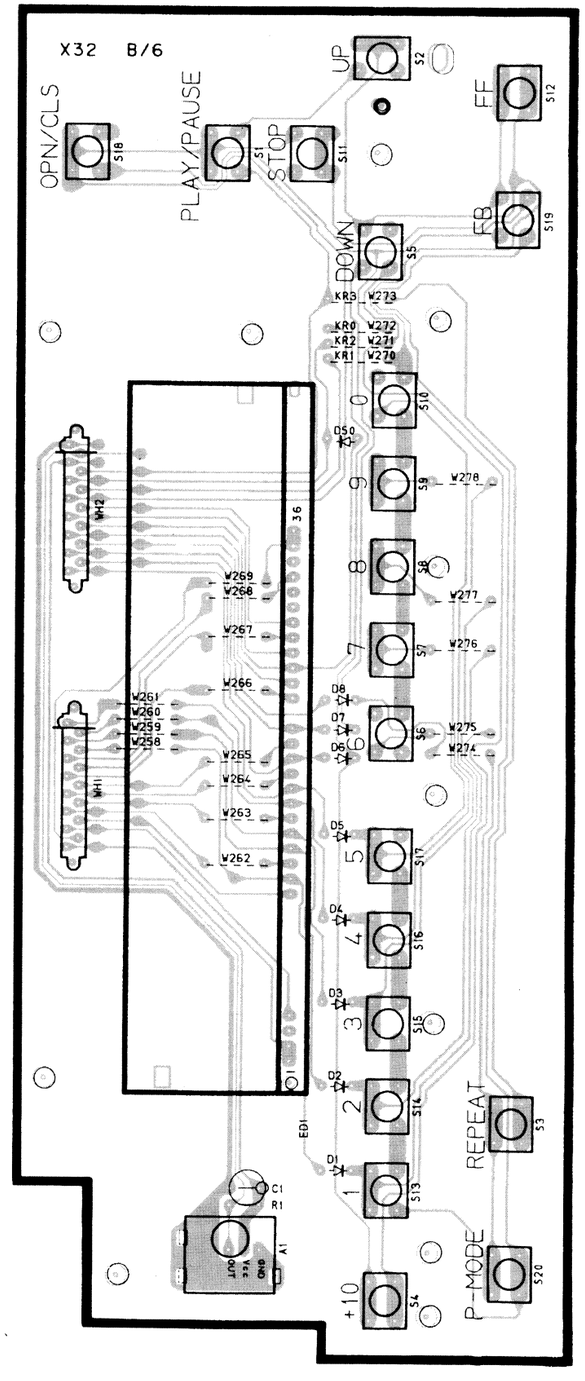
④ RF



PC BOARD (COMPONENT SIDE VIEW)







Re r to the schematic diagram for the value of resistors and capacitors.

MECHA. ASS'Y (CDM-19)
(X92-1609-71) :SINGAPORE MADE
(X92-1590-71) :FRANCE MADE

* (X25-4150-21)

OPEN/CLOSE
S1
OPEN
COM
CLOSE
S1
S2 LIMIT SW
M1 FEED MOTOR
M2 DISC MOTOR
CN1
STL
M1(+)
M2(+)
COM
M3
TRAY MOTOR
WH1
WH2
CN5
OPEN SW
CLOSE SW
SLT SW
FEED
SPINDLE-
LOAD(+)-
LOAD(-)-
COM-
GND

PICKUP
(KSS-240A)
TR1
LD
PD
VR1
LD POWER
VR2
TRK BAL.
VR3
FCS BIAS
PD & RF AMP
FOCUS COIL
TRACKING COIL
CN6
FCS-
TRK-
TRK+
FCS+
LDC
VCC
GND
RF
FZC
FE
TE
VC
CN7
TE1
TE2
VC
FE2
FE1
RF
ADJUSTMENT

(X32-2710-21)(A/7)

DIGITAL OUTPUT
OPTICAL
A2
D.OUT
+5V

IC3
SIGNAL
PROCESSOR
SERVO IC

IC9
DIGITAL FILTER
IC10
DIGITAL FILTER

IC2
μ-COM

IC1
TRAY OPN/CLS

IC4 (1/2)
IC5 (1/2)
IC4 (2/2)
IC5 (2/2)
ACTUATER DRIVER
MOTOR DRIVER

IC8(1/6)
IC8(4/6)

CN2
CN1
CN3
TEST

PRODUCT. P.	MECHANISM ASS'Y	ELECTRIC UNIT
SINGAPORE MADE	X92-1609-71	
FRANCE MADE	X92-1590-71 CDM-19(7)F	X25-4150-21

Q1	:DTC143TS or UN4216
Q2,8,13	:2SC2785(F,E) or 2SC1740S(Q,R)
Q3	:2SC2003(L,K)
Q4	:2SA933S(Q,R) or 2SA1175(F,E)
Q5,17	:2SA1534A(R,S)
Q6,7	:2SD2012
Q9	:DTC124ES or UN4212
Q10,21~24	:2SC2878(B)
Q11	:2SK246(Y,GR)
Q12,18	:2SC3940A(R,S)
Q16	:2SC1923(R,O)
Q19,20	:DTC113ZS or UN4219
Q25	:2SK364(GR)
ED1	:FIP9KM5

D1~12,16~23,38,39,41,44,45	:1SS133 or HSS104
D13	:SD103A
D15,24	:MTZJ5.6(B) or RD5.6ES(B2)
D25	:RD5.1JS(B2) or HZS5.1JS(B2)
D26~34	:S5688B or 1SR139-100
D35,36,42,43	:MTZJ13(B) or RD13ES(B2)
D37	:B30-1290-05
D40	:B30-1012-05
IC1	:TA8409S
IC2	:μPD78044AGF-036
IC3	:CXD2515Q
IC4,5	:TA8410AK
IC6	:MN1381-R(TA)
IC7,14	:NJM4580D
IC8,15	:TC74HCU04AF
IC9	:SM5841AP
IC10	:KAN02
IC11	:SM5864AP
IC12,13	:NJM4565D

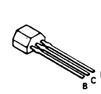
DIGITAL LINE
SIGNAL LINE
GND LINE
+B LINE
-B LINE

R201 0
R202 10
R203 10
R204 10

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is retuned to the customer.

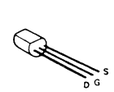
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

DTA124ES
DTC124ES
DTC143TS
2SA933S
2SC1740S



NJM4580D

2SK364



TA8409S

H I J K L M N O P Q

IC9 DIGITAL FILTER

IC10 DIGITAL FILTER

IC11 DAC

IC12 (1/2) LPF

IC12 (2/2)

IC13 (1/2) LPF

IC13 (2/2)

IC14 (1/2) HEADPHONE AMP

IC14 (2/2)

IC15 (1/6)

IC15 (2/6)

IC15 (3/6)

IC15 (4/6)

IC15 (5/6)

IC15 (6/6) HEX INVERTER

IC8(1/6) IC8(2/6) IC8 (3/6)

IC8(4/6) IC8(5/6) IC8 (6/6)

IC2 μ-COM

IC6 RESET IC

IC7 (1/2)

IC7 (2/2)

Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q16 Q17 Q18 Q19 Q20 Q21 Q22 Q23 Q24 Q25

+5V AVR

HEX INVERTER

RESET IC

HEADPHONE AMP

MUTE

LPF

0dB=2Vrms

OUTPUT

LINE1

LINE2

J1 SYSTEM CONTROL

J2

J3

HEADPHONE OUT

CN1 CN3 CN4 CN8 CN9

WH4 WH5

TEST

(X32-)(B/6)

(X32-)(D/6)

(X32-)(E/6)

(X32-)(F/6)

(M)TYPE

(X,T,E,G)TYPE

(L07-0622-05)

(L07-0621-

PLY/PUS S1 +10 S4 STOP S11 OPN/CLS S18

S6 S7 S8 S9 S10 S13 S14 S15 S16 S17

D1 D2 D3 D4 D5 D6

ED1

TRACK PGM REPEAT TRACK NO. CCRS EDIT P.C.

9G 8G 7G

PRODUCT. P.	DESTINATION COUNTRY	ABB.	CD PLAYER UNIT
SINGAPORE MADE	GENERAL MARKET	M	X32-2720-21
	AUSTRALIA	X	
	U.K.	T	X32-2720-00
	EUROPE	E	
	GERMANY	G	
FRANCE MADE	U.K.	T	
	EUROPE	E	X32-2842-70
	GERMANY	G	

DTA124ES DTC124ES DTC143TS 2SA933S 2SC1740S

NJM4580D 2SK364 TA8409S 2SK246 UN4212 UN4216 UN4219 2SD2012 NJM4580D TA8410AK SM5843AP CXD2515Q SM5864 TC74HCU04AF 2SA1175 2SC2785

L M N O P Q R S T U

(X32-)(B/6)

PLY/PUS UP REPT
S1 S2 S3 KR3
+10 DOWN
S4 S5 KR2
6 7 8 9 0 STOP FF
S6 S7 S8 S9 S10 S11 S12 KR1
1 2 3 4 5 OPN/CLS FB P-MODE
S13 S14 S15 S16 S17 S18 S19 S20 KR0
D1 D2 D3 D4 D5 D6 D7 D8

ED1

TRACK
PGM
REPEAT
TRACK NO.
CCRS
EDIT
P.C.
A
SINGLE
TOTAL
B
TIME
TIME

9G 8G 7G 6G 5G 4G 3G 2G 1G

WH1 WH2

REMOTE CONTROL SENSOR A1

(X32-)(C/6)

POWER S21 D37 WH3 KR2 LED Se GND

IC8 (3/6) L1 C98 47µ16 C100 100µ10 C114 0.1 C116 0.1 C102 100µ10 L4
C112 0.01 C122 120P C154 8.2K C158 8.2K C162 220K C126 120P
PLAY 2.7V R152 8.2K R156 8.2K C124 120P R160 20K C123 120P
R151 8.2K R155 8.2K C121 120P R159 20K C125 120P R157 8.2K R161 20K
R153 8.2K L5 C99 100µ10 C113 0.1 C115 0.1 C101 100µ10 C103 0.047
C97 47µ16 L6 10µH C104 39P C106 150P C105 68P X2 16.9344MHz R132 47K
C108 0.1 C109 100µ10 Q16 Q25 C107 10µ35 D40 L3 R133 1.5K
IC15 (6/6) D42 R134 1.5K D44 D45 D43 R135 1.5K IC15 (5/6) IC15 (4/6)
HEX INVERTER
LPF IC12 (1/2) LPF IC13 (1/2) IC12 (2/2) IC13 (2/2)
R164 2.2K R166 2.2K C130 680P C128 5600P R165 2.2K R163 2.2K C129 680P R167 2.2K
C146 180P Q18 R170 100 R172 200 R174 1.5K C132 47µ50 C134 4700µ10 C136 47µ16 D36
C133 4700µ10 C135 47µ16 D35 C131 47µ50 R171 200 R169 100 R173 1.5K C147 180P
Q17 Q19 Q20
MUTE
R180 91 R182 91 R186 200 R176 6.8K R178 1K Q22 Q24 R184 1K R185 200 C138 470P C137 470P
R177 1K Q21 Q23 R183 1K R179 91 R181 91 C140 470P C139 470P R187 200 R188 200
R175 6.8K
0dB=2Vrms
J2 Lch LINE1 Rch OUTPUT Lch LINE2 Rch
HEADPHONE AMP IC14 (1/2) IC14 (2/2) R190 10K R192 6.8K C142 120P R194 4.7K R196 56 L8 1µH L7 1µH L9 1µH
R189 10K R191 6.8K C141 120P R193 4.7K R195 56
CN4 Lch GND Rch L12 1µH L10 1µH L11 1µH C144 39P C143 39P C145 39P D39 D38
HEADPHONE OUT J3 E1 WH4
(X32-)(D/6)
R91 100K SDATA BUSY J1 SYSTEM CONTROL
D17 D19 D20 D16 D18 D21 R92 100K R93 100K R94 100K C61 120P C62 120P C63 0.01 D22 D23
CN8
(M)TYPE
(X32-)(E/6) (L07-0622-05) WH5 AC GND AC F F AC GND AC 230V 115V T.F 0V R101 15
(X32-)(F/6) S22 AC220-240V AC110-120V WH6 (GRY) WH7 (RED) WH8 (WHT) C81 0.01 250V CN9
(M) AC110-120V/ 220-240V 50/60Hz
(X,T,E,G)TYPE
(X32-)(E/6) (L07-0621-05) AC GND AC F F AC GND AC T.F 0V W115 C81 0.01µ250 CN9
(X,T)TYPE AC240V 50Hz (E,G)TYPE AC230V 50Hz
D30 D29 D28 D27 D26 D34 D33 D32 D31 C78 220µ63 C77 1000µ16 C76 3300µ16 C80 1000µ25 C79 1000µ25
-48.5V -21.0V 10.3V 20.7V
RESET IC IC6 OUT GND IN Q3 Q2 R17 2.2 R18 100 R19 470 D15 C8 1µ50
Q6 Q7 Q8 R109 2.2 R110 2.2 R108 4.7K R112 23K Q11 Q10 R113 200 +5V AVR
Q12 Q13 R114 2.2 IC7 (1/2) IC7 (2/2) R115 470 C74 47µ16 R111 1K R117 0.01 C82 68P C75 47µ16 D25 Q9
-23.5V -13.2V -12.5V

PRODUCT. P.	DESTINATION COUNTRY	ABB.	CD PLAYER UNIT
SINGAPORE MADE	GENERAL MARKET	M	X32-2720-21
	AUSTRALIA	X	X32-2720-00
	U.K.	T	
	EUROPE	E	
	GERMANY	G	
FRANCE MADE	U.K.	T	X32-2842-70
	EUROPE	E	
	GERMANY	G	

2SK246 UN4212 UN4216 UN4219 2SD2012 NJM4580D TA8410AK SM5843AP CXD2515Q SM5864 TC74HCU04AF 2SA1175 2SC2785 2SA1534A 2SC1923 2SC2003 2SC2878 2SC3940A

Y22-3740-21

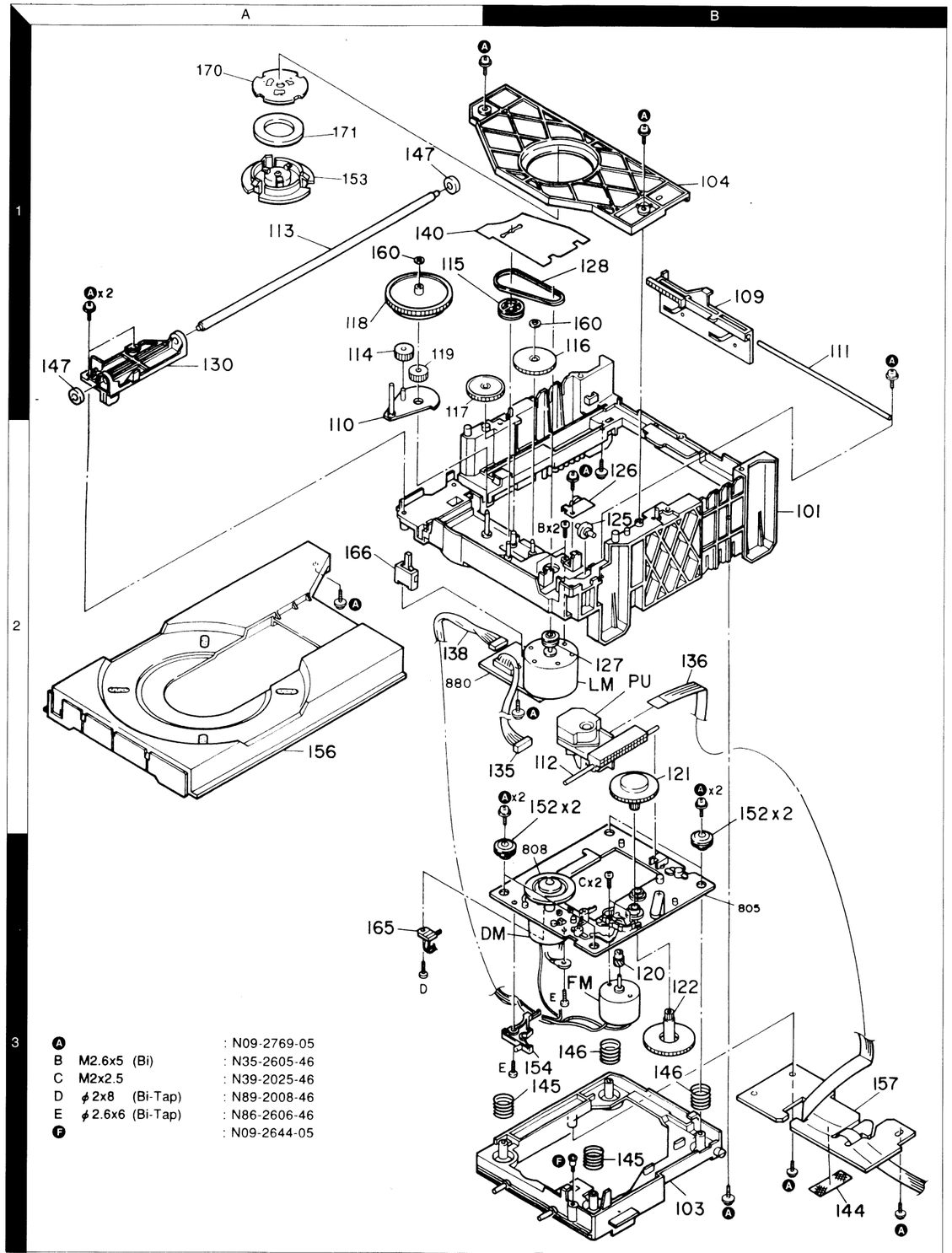
DP-5060

KENWOOD

DP-5060

DP-5060

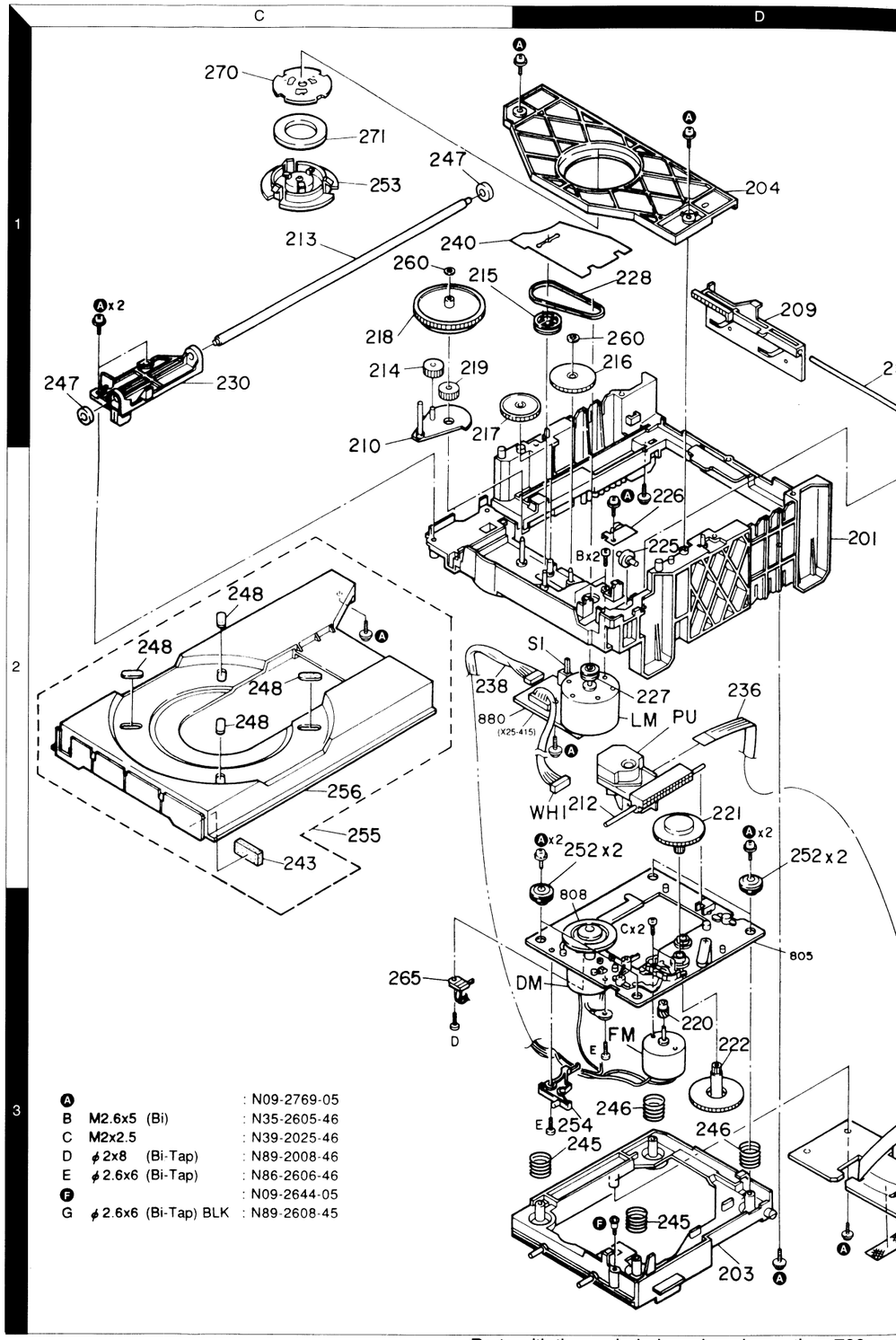
EXPLODED VIEW (MECHANISM) SINGAPORE MADE



A		: N09-2769-05
B	M2.6x5 (Bi)	: N35-2605-46
C	M2x2.5	: N39-2025-46
D	ϕ2x8 (Bi-Tap)	: N89-2008-46
E	ϕ2.6x6 (Bi-Tap)	: N86-2606-46
F		: N09-2644-05

Parts with the exploded numbers larger than 700 are not supplied

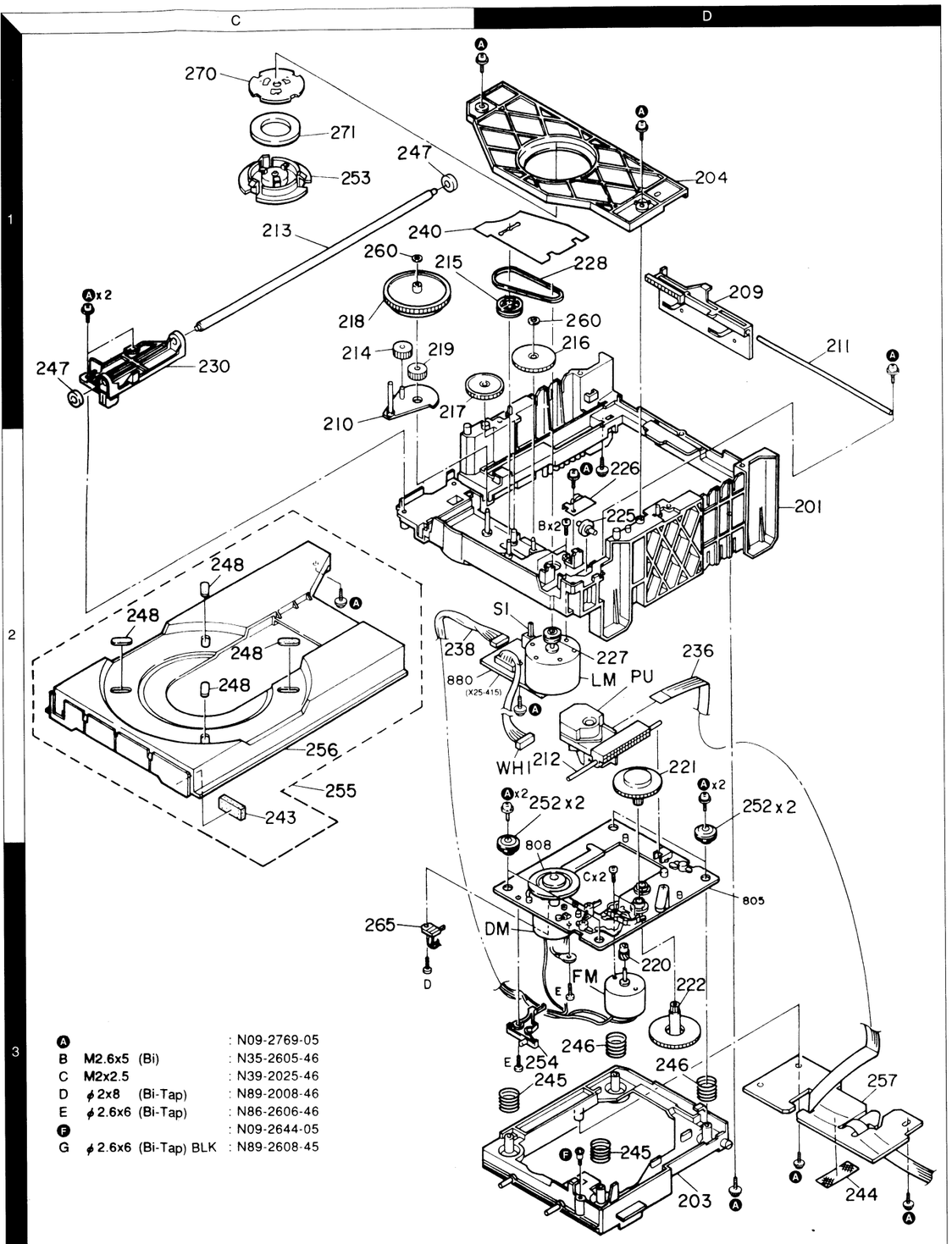
EXPLODED VIEW (MECHANISM) FRANCE MADE



A		: N09-2769-05
B	M2.6x5 (Bi)	: N35-2605-46
C	M2x2.5	: N39-2025-46
D	ϕ2x8 (Bi-Tap)	: N89-2008-46
E	ϕ2.6x6 (Bi-Tap)	: N86-2606-46
F		: N09-2644-05
G	ϕ2.6x6 (Bi-Tap) BLK	: N89-2608-45

Parts with the exploded numbers larger than 700 are

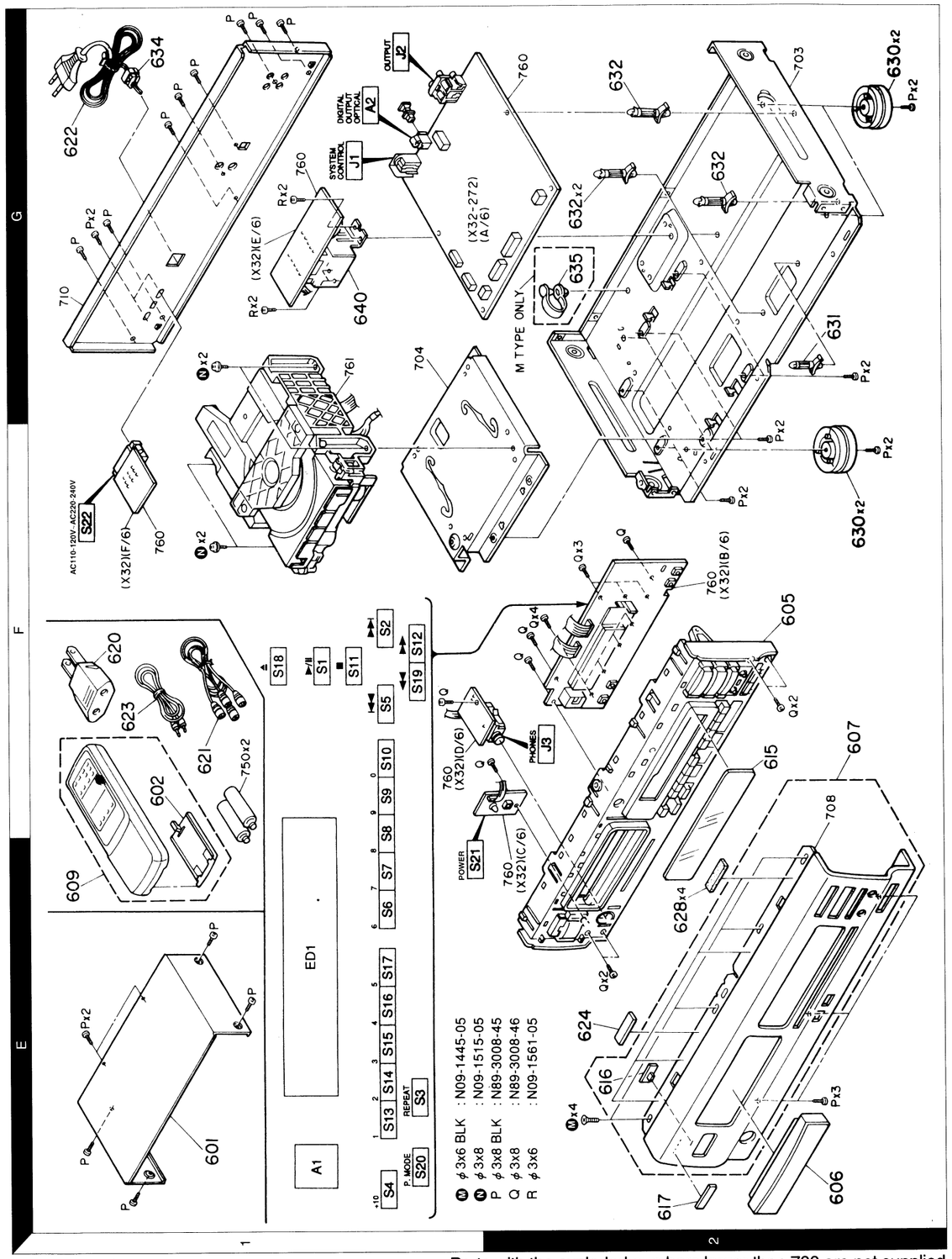
EXPLODED VIEW (MECHANISM) FRANCE MADE



A		: N09-2769-05
B	M2.6x5 (Bi)	: N35-2605-46
C	M2x2.5	: N39-2025-46
D	ϕ2x8 (Bi-Tap)	: N89-2008-46
E	ϕ2.6x6 (Bi-Tap)	: N86-2606-46
F		: N09-2644-05
G	ϕ2.6x6 (Bi-Tap) BLK	: N89-2608-45

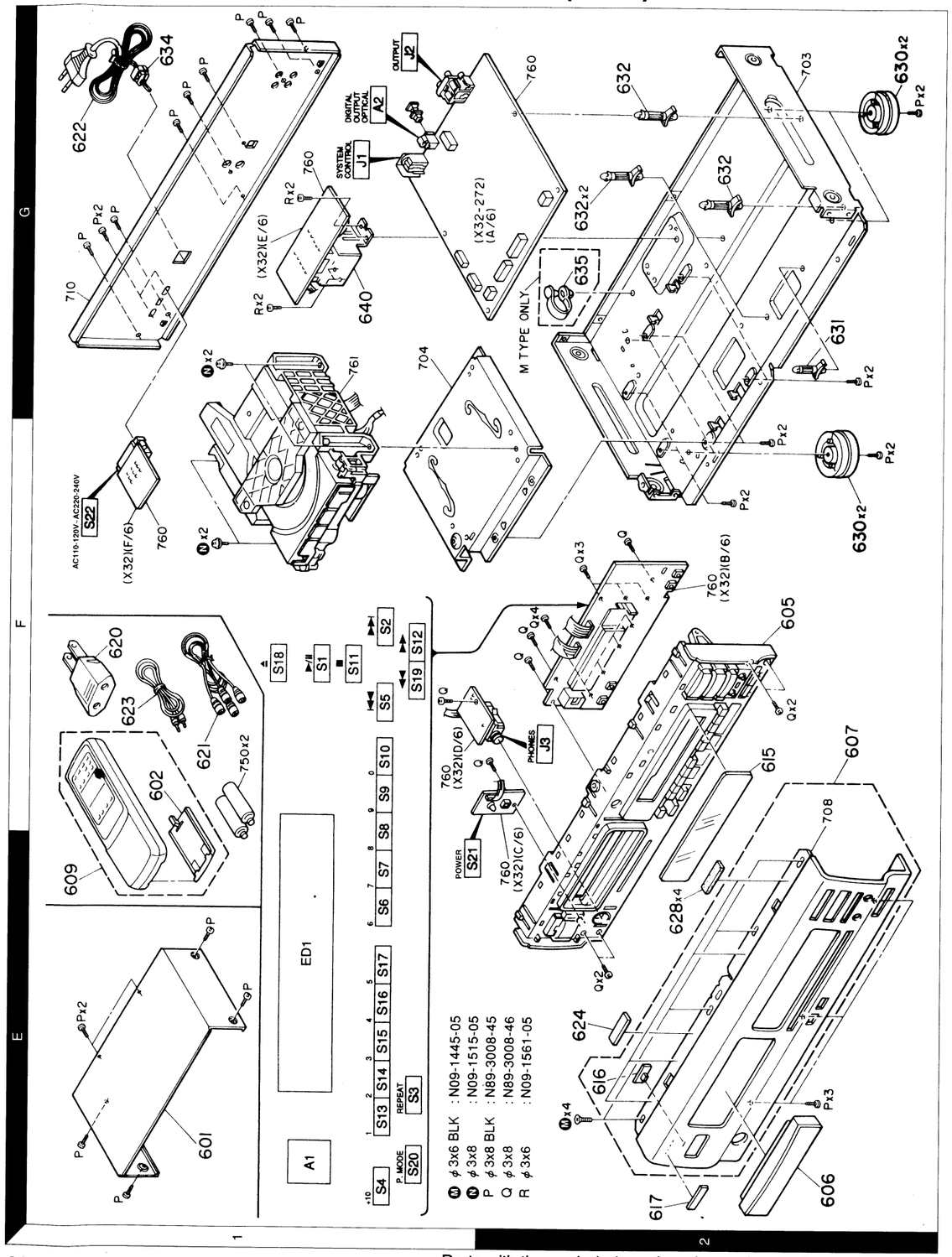
Parts with the exploded numbers larger than 700 are not supplied

EXPLODED VIEW(UNIT)



Parts with the exploded numbers larger than 700 are not supplied

EXPLODED VIEW(UNIT)



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PARTS LIST

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
DP-5060 (SINGAPORE MADE)						
601	1E	*	A01-3136-01	METALLIC CABINET		
602	1F		A09-0170-08	BATTERY COVER		
605	2F	*	A22-1678-01	SUB PANEL		
606	2E		A29-0369-03	PANEL (TRAY)		
607	2F	*	A60-0587-02	PANEL ASSY		
609	1E		A70-0980-05	REMOCON ASSY(RC-P0701)		
615	2F	*	B10-2027-04	FRONT GLASS		
616	2E		B12-0240-04	INDICATOR		
617	2E		B43-0287-04	KENWOOD BADGE		
-			B46-0096-43	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	TEG	
-			B58-0945-03	CAUTION CARD	T	
-		*	B58-0965-13	CAUTION CARD	XT	
-		*	B58-0966-13	CAUTION CARD	ME	
-		*	B58-0970-13	CAUTION CARD	G	
-		*	B60-1639-00	INSTRUCTION MANUAL(ENGLISH)	MXTE	
-			B60-1640-00	INSTRUCTION MANUAL(GERMAN)	EG	
-			B60-1641-00	INSTRUCTION MANUAL(FRE,DEN,ITA	E	
-		*	B60-1642-00	INSTRUCTION MANUAL(SPANISH)	ME	
-		*	B60-1643-00	INSTRUCTION MANUAL(CHINESE)	M	
-		*	B60-1781-00	INSTRUCTION MANUAL(TAIWAN)	M	
⚠ 620	1F		E03-0115-05	AC PLUG ADAPTER	M	
621	1F		E30-0505-05	AUDIO CORD		
⚠ 622	1G		E30-2592-15	AC POWER CORD	MEG	
⚠ 622	1G		E30-2717-05	AC POWER CORD	X	
⚠ 622	1G		E30-2721-05	AC POWER CORD	T	
623	1F		E30-2733-05	CORD WITH PLUG		
624	2E		E29-1608-04	CONDUCTIVE RUBBER		
628	2E		G11-0155-14	SOFT TAPE (40X9X2)		
-		*	H10-5774-02	POLYSTYRENE FOAMED FIXTURE(L)		
-		*	H10-5775-02	POLYSTYRENE FOAMED FIXTURE(R)		
-			H12-2201-04	PACKING FIXTURE	T	
-			H13-0170-04	CARTON BOARD	X	
-			H20-0554-04	PROTECTION COVER	M	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	MXEG	
-			H25-0330-04	PROTECTION BAG	XEG	
-			H25-0651-04	PROTECTION BAG (0232)	T	
-			H25-0658-04	PROTECTION BAG (0330)	T	
-		*	H50-1089-04	ITEM CARTON CASE	XEG	
-		*	H50-1090-04	ITEM CARTON CASE	M	
-		*	H50-1091-04	ITEM CARTON CASE	T	
630	2F,2G		J02-1034-05	FOOT		
631	2G		J19-3328-15	UNIT HOLDER		
632	2G		J19-3331-05	UNIT HOLDER		
634	2G		J11-0163-05	WIRE CLAMPER	M	
⚠ 634	1G		J42-0083-05	POWER CORD BUSHING		
⚠ 640	1G		L07-0621-05	POWER TRANSFORMER(230V)	XTEG	
⚠ 640	1G		L07-0622-05	POWER TRANSFORMER(115-230V)	M	
DP-5060 (FRANCE MADE)						
601	1E	*	A01-3136-01	METALLIC CABINET		

L:Scandinavia K:USA P:Canada R:Mexico
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany
Y:AAFES(Europe) X:Australia M:Other Areas

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
602	1F		A09-0170-08	BATTERY COVER		
605	2F	*	A22-1678-01	SUB PANEL		
606	2E		A29-0369-03	PANEL		
607	2F	*	A60-0587-02	PANEL ASSY		
609	1E		A70-0980-05	REMOCON ASSY(RC-P0701)		
615	2F	*	B10-2027-04	FRONT GLASS		
616	2E		B12-0240-04	INDICATOR		
617	2E		B43-0287-04	KENWOOD BADGE		
-			B46-0310-03	WARRANTY CARD		
-			B58-0945-03	CAUTION CARD	T	
-		*	B58-0965-13	CAUTION CARD	T	
-		*	B58-0966-13	CAUTION CARD	E	
-		*	B58-0970-13	CAUTION CARD	G	
-		*	B60-1639-00	INSTRUCTION MANUAL(ENGLISH)	ET	
-			B60-1640-00	INSTRUCTION MANUAL(DERMAN)	EG	
-			B60-1641-00	INSTRUCTION MANUAL(FRA,DUT,ITA	E	
-		*	B60-1642-00	INSTRUCTION MANUAL(SPANISH)	E	
621	1F		E30-0505-05	AUDIO CORD		
⚠ 622	1G		E30-2592-15	AC POWER CORD	EG	
⚠ 622	1G		E30-2721-05	AC POWER CORD	T	
623	1F		E30-2733-05	CORD WITH PLUG		
-			E29-1608-04	CONDUCTIVE RUBBER		
628	2E		G11-0155-14	SOFT TAPE (40X9X2)		
-		*	H10-5897-02	POLYSTYRENE FOAMED FIXTURE(L)		
-		*	H10-5898-02	POLYSTYRENE FOAMED FIXTURE(R)		
-			H11-0050-04	POLYSTYRENE FOAMED BOARD	T	
-			H13-0133-04	CARTON BOARD	T	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	EG	
-			H25-0330-04	PROTECTION BAG	EG	
-			H25-0651-04	PROTECTION BAG	T	
-			H25-0658-04	PROTECTION BAG	T	
-		*	H50-1260-04	ITEM CARTON CASE	EG	
-		*	H50-1261-04	ITEM CARTON CASE	T	
630	2F,2G		J02-1034-05	FOOT		
631	2G		J19-3328-15	UNIT HOLDER		
632	2G		J19-3331-05	UNIT HOLDER		
⚠ 634	1G		J42-0083-05	POWER CORD BUSHING		
⚠ 640	1G		L07-0621-05	POWER TRANSFORMER		
MECHANISM (X25-4150-21)						
WH1	2D		E31-7866-15	WIRING HARNESS		
S1	2D		S33-2062-05	LED(SLP-981C-51)		
CONTROL (X32-2720-21)						
D37			B30-1290-05	LED		
D40			B30-1012-05	LED(SLP-981C-51)		
C1			CE04LW1V100MCC	ELECTRO 10UF 35WV		
C2			CE04LW1A101MCC	ELECTRO 100UF 10WV		
C3			CF92FV1H104J	MF 0.10UF J		
C4			CK45FF1H103Z	CERAMIC 0.010UF Z		
C5			C90-1826-05	BACKUP 0.047F 5.5WV		
C6			CE04LW1H010MCC	ELECTRO 1.0UF 50WV		
C7			CK45FF1H103Z	CERAMIC 0.010UF Z		

L: Scandinavia K:USA P:Canada R:Mexico
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany
Y:AAFES(Europe) X:Australia M:Other Areas

⚠ indicates safety critical components.

PARTS LIST

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C106			CF92FV1H151K	MF 150PF K		
C107			CE04LW1V100MCC	ELECTRO 10UF 35WV		
C108			CF92FV1H104J	MF 0.10UF J		
C109			CE04LW1A101MCC	ELECTRO 100UF 10WV		
C111,112			CF92FV1H103J	MF 0.010UF J		
C113-117			CF92FV1H104J	MF 0.10UF J		
C118			CE04LW1C470MCC	ELECTRO 47UF 16WV		
C121-126			CF92FV1H121K	MF 120PF K		
C127,128			CF92FV1H562J	MF 5600PF J		
C129,130			CF92FV1H681J	MF 680PF J		
C131,132			CE04LW1H470MCC	ELECTRO 47UF 50WV		
C133,134			CE04LW1H4R7MCC	ELECTRO 4.7UF 50WV		
C135,136			CE04LW1C470MCC	ELECTRO 47UF 16WV		
C137-140			CF92FV1H471J	MF 470PF J		
C141,142			CF92FV1H121K	MF 120PF K		
C143-145			CC45FSL1H390J	CERAMIC 39PF J		
C146,147			CF92FV1H181K	MF 180PF K		
J1			E11-0188-05	MINIATURE PHONE JACK(2P)		
J2		*	E63-0120-05	PHONO JACK		
J3			E11-0208-05	PHONE JACK		
-			J11-0098-05	WIRE CLAMPER		
L1 -5			L92-0018-05	FERRITE CORE		
L6			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
L7 -12			L40-1091-17	SMALL FIXED INDUCTOR		
L13			L92-0018-05	FERRITE CORE		
X1			L78-0267-05	RESONATOR (4.194MHZ)		
X2			L77-1164-05	CRYSTAL RESONATOR(16.9344MHZ)		
R151-158			RN14BK2C8201F	RN 8.20K F 1/6W		
R159-162			RN14BK2C2002F	RN 20.0K F 1/6W		
R163-168			RN14BK2C2201F	RN 2.20K F 1/6W		
S1 -21			S40-1064-05	PUSH SWITCH		
⚠ S22			S62-0001-05	SLIDE SWITCH	M	
D1 -12			HSS104	DIODE		
D1 -12			1SS133	DIODE		
D13			SD103A	DIODE		
D15			MTZJ5.6(B)	ZENER DIODE		
D15			RD5.6ES(B2)	ZENER DIODE		
D16 -23			HSS104	DIODE		
D16 -23			1SS133	DIODE		
D24			MTZJ5.6(B)	ZENER DIODE		
D24			RD5.6ES(B2)	ZENER DIODE		
D25			HZS5.1S(B2)	ZENER DIODE		
D25			RD5.1JS(B2)	ZENER DIODE		
⚠ D26 -34			S5688B	DIODE		
⚠ D26 -34			1SR139-100	DIODE		
D35 ,36			MTZJ13(B)	ZENER DIODE		
D35 ,36			RD13ES(B2)	ZENER DIODE		
D38 ,39			HSS104	DIODE		
D38 ,39			1SS133	DIODE		
D41			HSS104	DIODE		
D41			1SS133	DIODE		
D42 ,43			MTZJ13(B)	ZENER DIODE		

L: Scandinavia K:USA P:Canada R:Mexico
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany
Y:AAFES(Europe) X:Australia M:Other Areas

⚠ indicates safety critical components.

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
114	1A		D13-0744-04	GEAR (PULLEY)		
115	1A		D13-0779-04	GEAR (INTERMEDITE)		
116	1B		D13-0780-04	GEAR (IDLER)		
117	2A		D13-0890-04	GEAR (MAIN)		
118	1A		D13-0891-03	GEAR (FEED MOTOR)		
119	1A		D13-0892-04	GEAR (INTER MEDIATE)		
120	3B		D13-0894-05	GEAR (FEED)		
121	2B		D13-0895-05	GEAR		
122	3B		D13-0896-05	GEAR		
125	2B		D14-0324-04	ROLLER		
126	2B		D14-0325-04	ROLLER ASSY		
127	2B		D15-0295-04	MOTOR PULLEY (LOADING MOTOR)		
128	1B		D16-0309-03	BELT		
130	1A		D23-0267-03	RETAINER		
140	1A		F19-1027-04	BLIND PLATE		
144	3B		G10-0146-04	NON-WOVEN FABRIC		
145	3B		G01-3326-14	COMPRESSION SPRING (FRONT)		
146	3B		G01-3327-14	COMPRESSION SPRING (REAR)		
147	1A		G11-2038-04	CUSHION		
152	2B		J02-1058-15	INSULATOR		
153	1A		J11-0168-03	CLAMPER		
154	3B		J19-3335-05	BRACKET		
156	2A		J99-0088-23	TRAY ASSY		
157	3B		J19-3688-04	BRACKET		
-		*	J69-0083-04	ADHESIVE DOUBLE-COATED TAPE		
160 1	A,1B		N19-0366-04	FLAT WASHER		
165	3A		S33-1022-05	LEVER SWITCH (LIMIT)		
166	2A		S33-2062-05	LEVER SWITCH		
170	1A		T50-1055-04	YOKE		
171	1A		T99-0503-15	MAGNET		
DM			A11-0733-05	SUB CHASSIS ASSY (DISC MOTOR)		
FM	3B		T42-0532-05	DC MOTOR (FEED MOTOR)		
LM	2B		T42-0530-05	DC MOTOR (LOADING MOTOR)		
PU	2B		T25-0022-05	OPTICAL PICKUP HEAD (KSS-240A)		
MACHANISM (X92-1590-71) FRANCE MADE						
201	2D		A10-2797-22	CHASSIS ASSY (MAIN)		
203	3D		A11-0695-25	SUB CHASSIS (FRAME)		
204	1D		A11-0686-13	SUB CHASSIS (CLAMP)		
209	1D		D10-2479-03	SLIDER		
210	2C		D10-2481-04	ARM ASSY		
211	1D		D10-2489-04	ROD (SLIDER)		
212	2D		D10-2490-04	ROD (PICK UP)		
213	1C		D10-2491-04	ROD (RETAINER)		
214	1C		D13-0744-04	GEAR		
215	1C		D13-0779-04	GEAR (PULLEY)		
216	1D		D13-0780-04	GEAR (INTERMEDIATE)		
217	2C		D13-0890-04	GEAR (IDLER)		
218	1C		D13-0891-03	GEAR (MAIN)		
219	1C		D13-0892-04	GEAR		
220	3D		D13-0894-05	GEAR (FEED MOTOR)		
221	2D		D13-0895-05	GEAR (INTERMADIATE)		

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